

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111122\
 Data File : VD074920.D
 Acq On : 12 Nov 2022 06:57
 Operator : VA/SY
 Sample : N5531-02RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-08RE

Quant Time: Nov 14 01:00:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

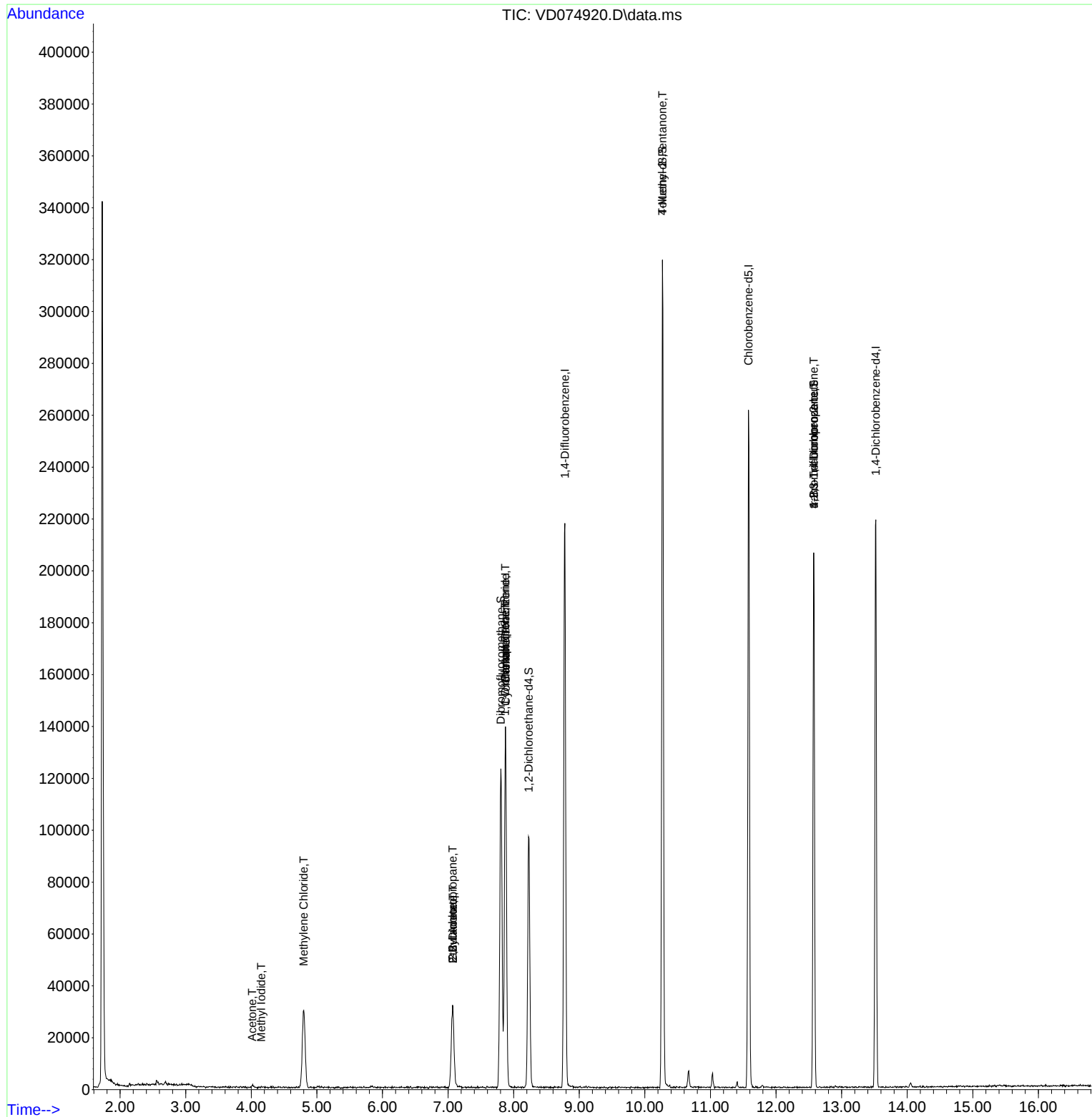
Internal Standards						
1) Pentafluorobenzene	7.875	168	114652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	214653	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	164597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	65612	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	76432	107.093	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 214.180%#	
35) Dibromofluoromethane	7.804	113	91623	69.244	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 138.480%	
50) Toluene-d8	10.269	98	233288	53.523	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.040%	
62) 4-Bromofluorobenzene	12.575	95	65281	48.776	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.560%	
Target Compounds						Qvalue
3) Chloromethane	2.146	50	485	Below Cal	#	37
5) Bromomethane	2.693	94	937	Below Cal		99
10) Methyl Iodide	4.152	142	188	4.891	ug/l #	43
11) Tert butyl alcohol	5.052	59	54	Below Cal	#	84
16) Acetone	4.016	43	1022	5.400	ug/l #	84
20) Methylene Chloride	4.799	84	26366	4.291	ug/l	93
25) 2-Butanone	7.075	43	1280	5.172	ug/l #	42
26) 2,2-Dichloropropane	7.069	77	2402	1.261	ug/l #	50
31) Cyclohexane	7.881	56	1751	1.048	ug/l #	10
36) 1,1-Dichloropropene	7.869	75	8038	4.133	ug/l #	44
37) Ethyl Acetate	7.075	43	1280	1.962	ug/l #	1
38) Carbon Tetrachloride	7.875	117	10900	5.955	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	625	1.141	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	31674	57.717	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	31674	141.986	ug/l #	17

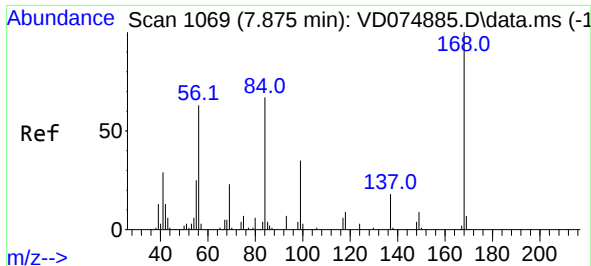
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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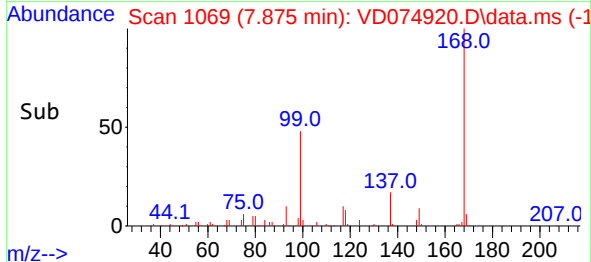
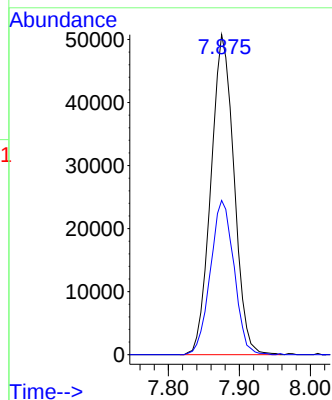
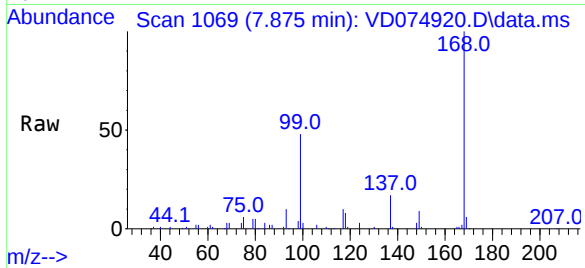




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

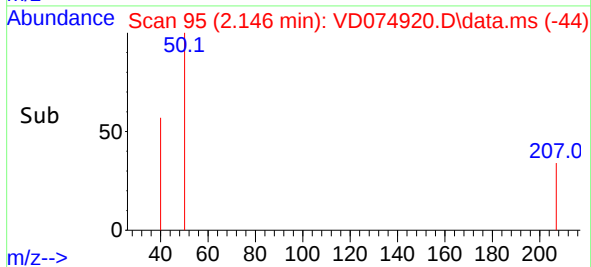
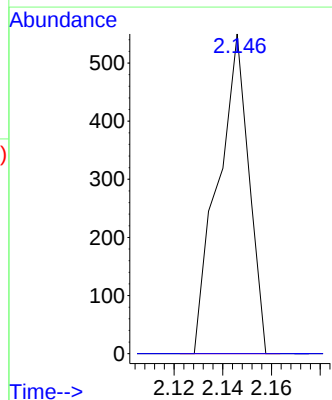
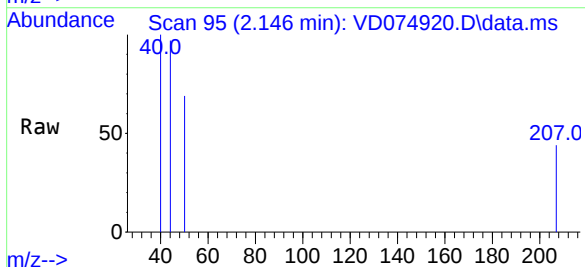
Instrument :
MSVOA_D
ClientSampleId :
SB-08RE

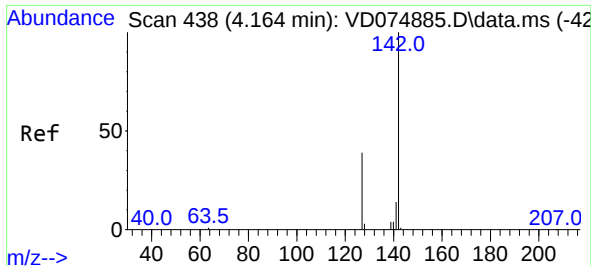
Tgt Ion:168 Resp: 114652
Ion Ratio Lower Upper
168 100
99 48.2 40.9 61.3



#3
Chloromethane
Concen: Below Cal
RT: 2.146 min Scan# 95
Delta R.T. -0.000 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

Tgt Ion: 50 Resp: 485
Ion Ratio Lower Upper
50 100
52 0.0 30.0 45.0#

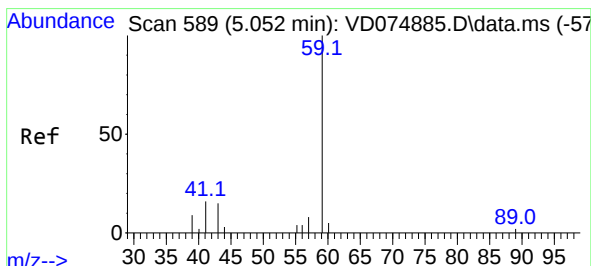
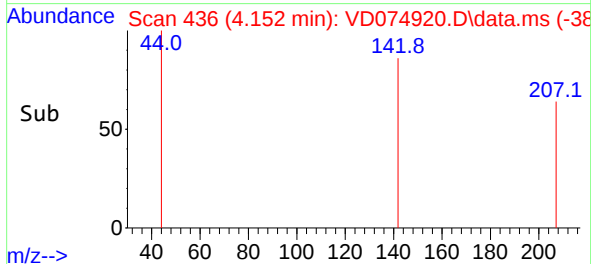
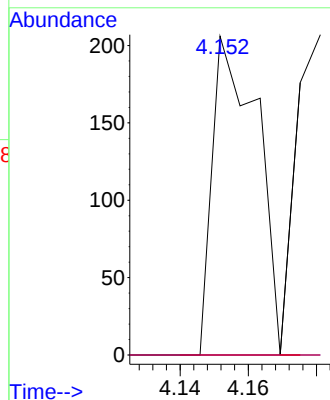
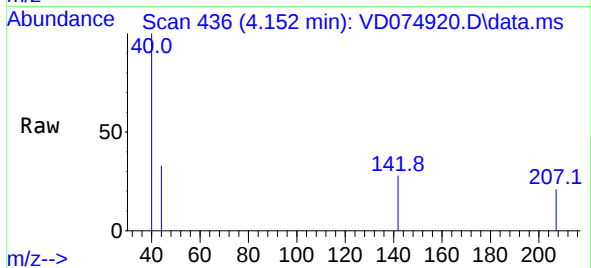




#10
Methyl Iodide
Concen: 4.891 ug/l
RT: 4.152 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

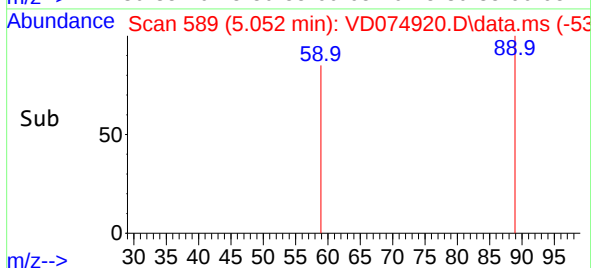
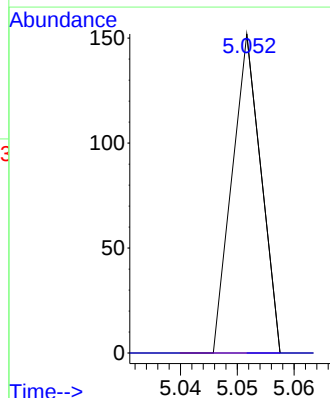
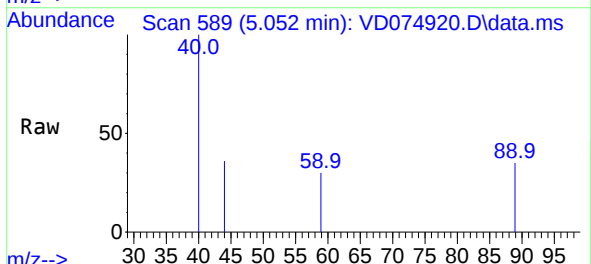
Instrument :
MSVOA_D
ClientSampleId :
SB-08RE

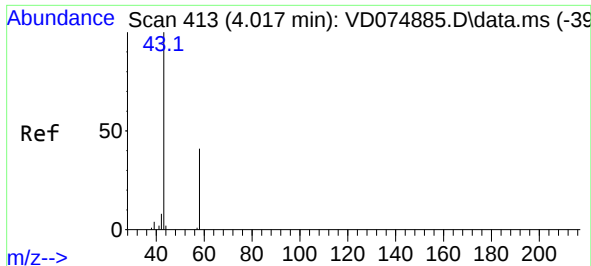
Tgt Ion:	142	Resp:	188
Ion	Ratio	Lower	Upper
142	100		
127	0.0	31.9	47.9#
141	0.0	11.4	17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.052 min Scan# 589
Delta R.T. -0.000 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

Tgt Ion:	59	Resp:	54
Ion	Ratio	Lower	Upper
59	100		
57	0.0	4.4	6.6#

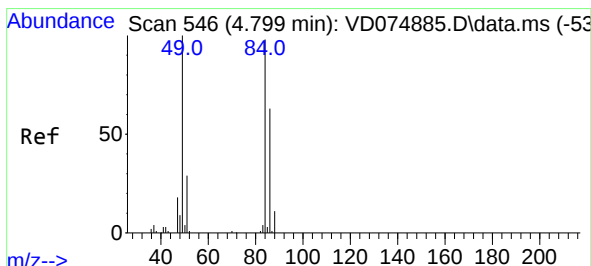
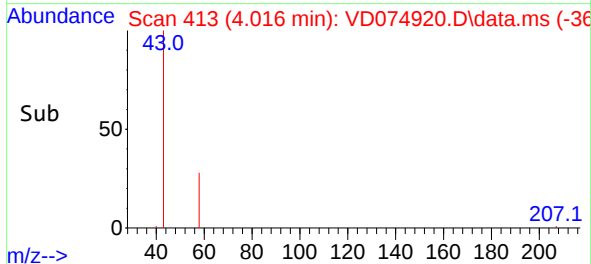
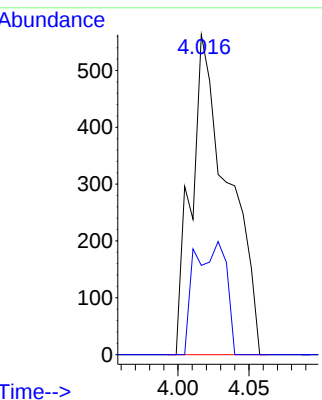
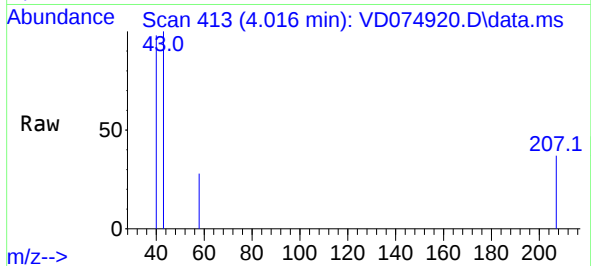




#16
Acetone
Concen: 5.400 ug/l
RT: 4.016 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

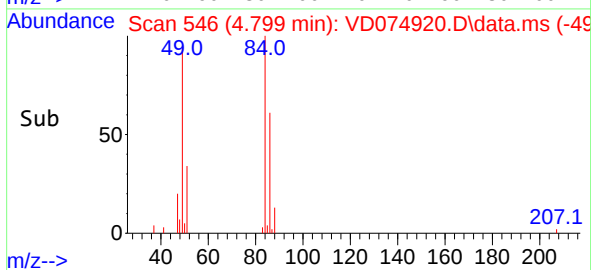
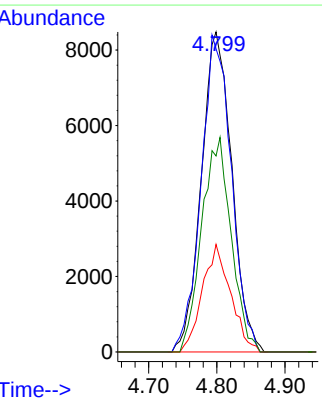
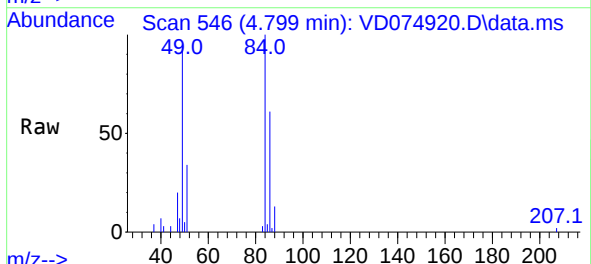
Instrument :
MSVOA_D
ClientSampleId :
SB-08RE

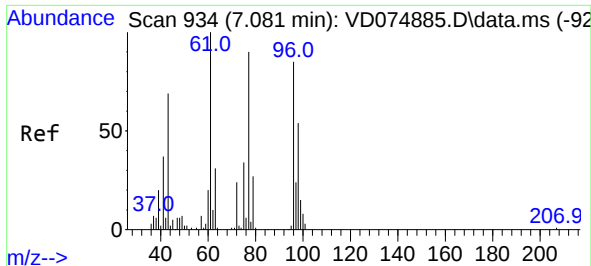
Tgt Ion: 43 Resp: 1022
Ion Ratio Lower Upper
43 100
58 27.9 30.2 45.2#



#20
Methylene Chloride
Concen: 4.291 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

Tgt Ion: 84 Resp: 26366
Ion Ratio Lower Upper
84 100
49 94.7 68.0 102.0
51 33.6 23.2 34.8
86 61.3 48.0 72.0

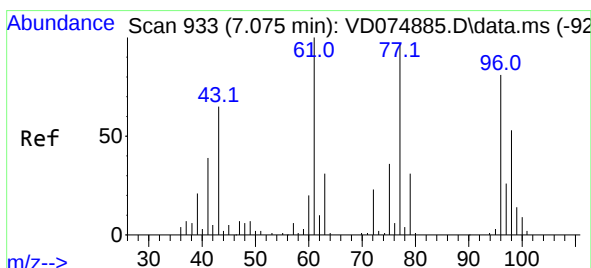
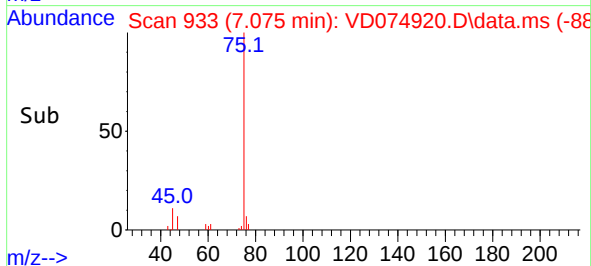
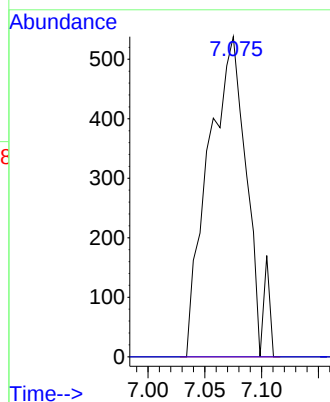
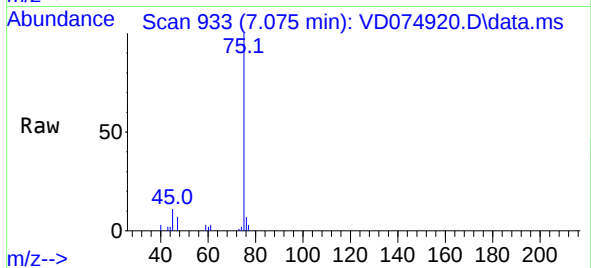




#25
2-Butanone
Concen: 5.172 ug/l
RT: 7.075 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

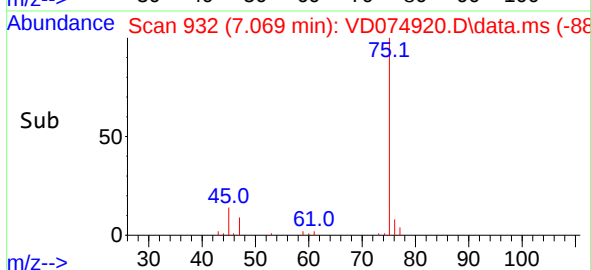
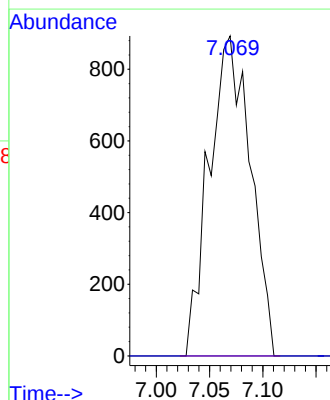
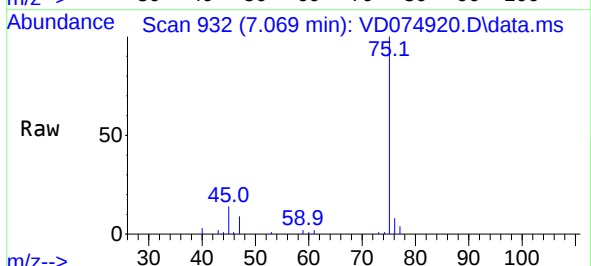
Instrument :
MSVOA_D
ClientSampleId :
SB-08RE

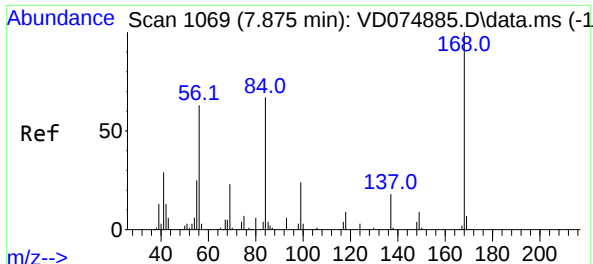
Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
72 0.0 25.8 38.8#



#26
2,2-Dichloropropane
Concen: 1.261 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

Tgt Ion: 77 Resp: 2402
Ion Ratio Lower Upper
77 100
97 0.0 12.5 37.5#





#31

Cyclohexane

Concen: 1.048 ug/l

RT: 7.881 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VD074920.D

Acq: 12 Nov 2022 06:57

Instrument :

MSVOA_D

ClientSampleId :

SB-08RE

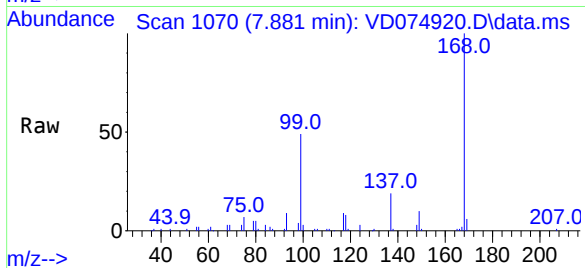
Tgt Ion: 56 Resp: 1751

Ion Ratio Lower Upper

56 100

69 153.4 29.2 43.8#

84 157.3 83.4 125.2#



Abundance

1500

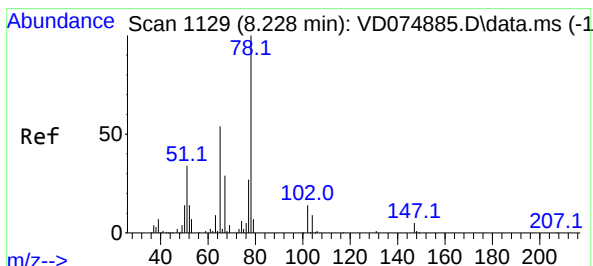
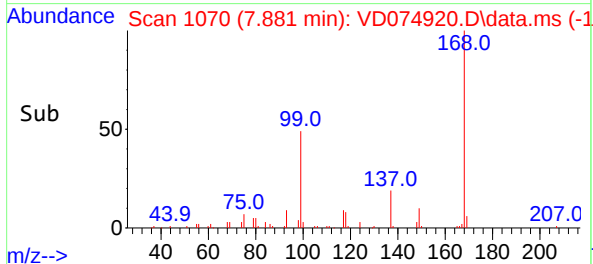
1000

500

0

Time-->

7.85 7.90



#33

1,2-Dichloroethane-d4

Concen: 107.093 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD074920.D

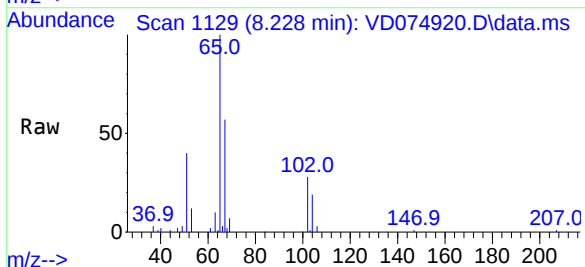
Acq: 12 Nov 2022 06:57

Tgt Ion: 65 Resp: 76432

Ion Ratio Lower Upper

65 100

67 54.7 0.0 110.2



Abundance

30000

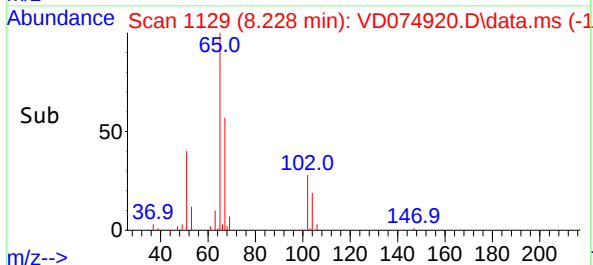
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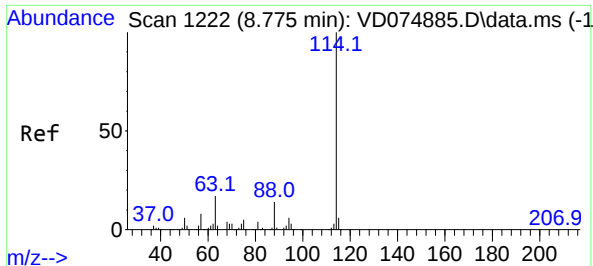
10000

0

Time-->

8.20 8.30





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074920.D

Acq: 12 Nov 2022 06:57

Instrument :

MSVOA_D

ClientSampleId :

SB-08RE

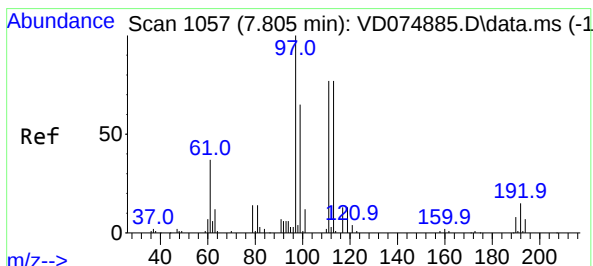
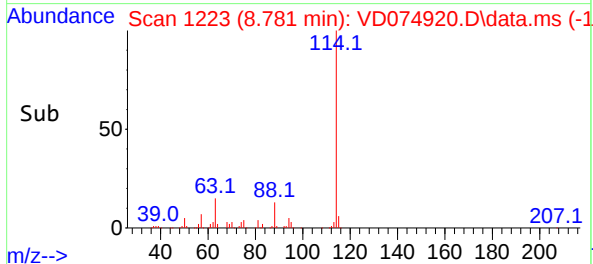
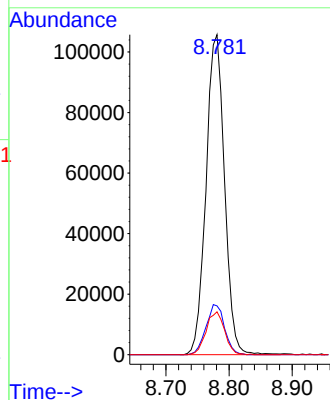
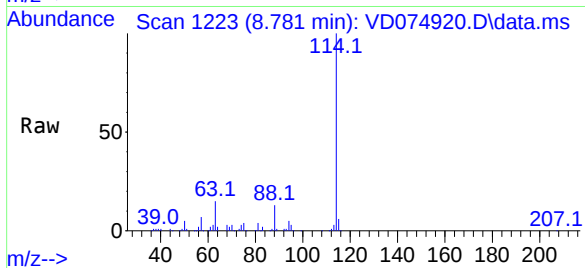
Tgt Ion:114 Resp: 214653

Ion Ratio Lower Upper

114 100

63 15.2 0.0 33.2

88 13.4 0.0 28.2



#35

Dibromofluoromethane

Concen: 69.244 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD074920.D

Acq: 12 Nov 2022 06:57

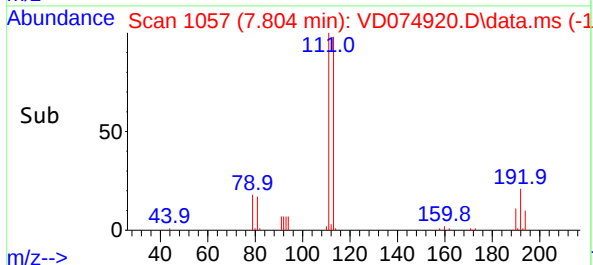
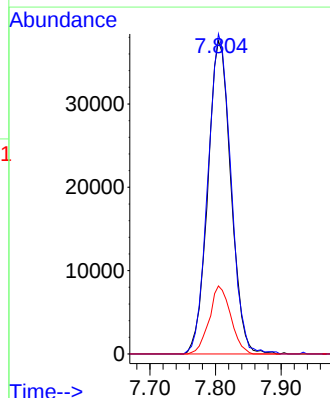
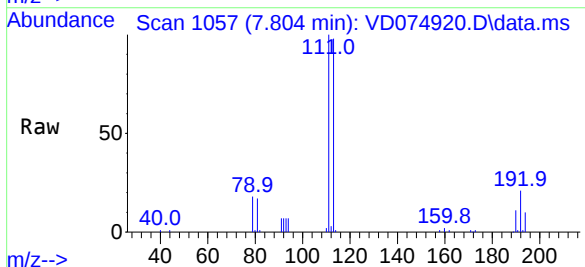
Tgt Ion:113 Resp: 91623

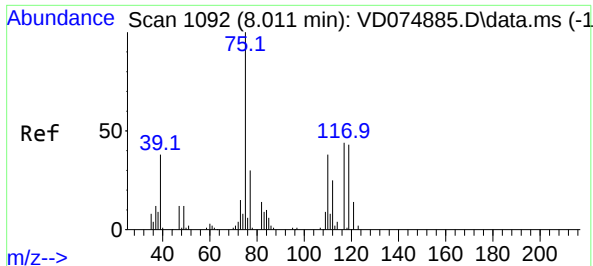
Ion Ratio Lower Upper

113 100

111 102.1 82.3 123.5

192 20.2 16.4 24.6

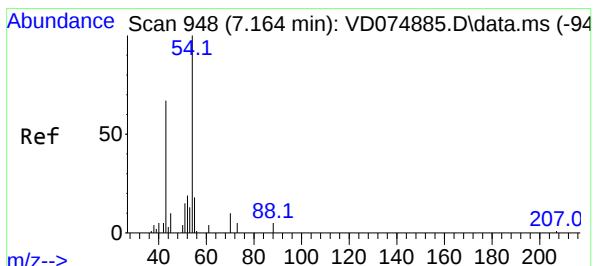
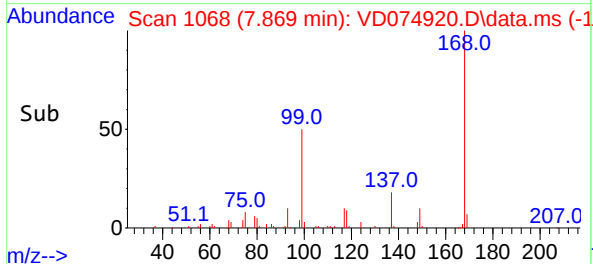
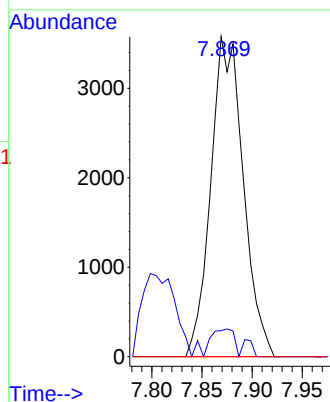
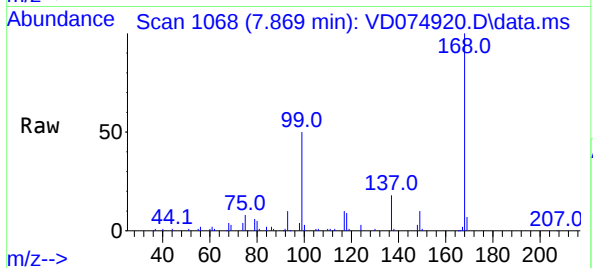




#36
1,1-Dichloropropene
Concen: 4.133 ug/l
RT: 7.869 min Scan# 1092
Delta R.T. -0.142 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

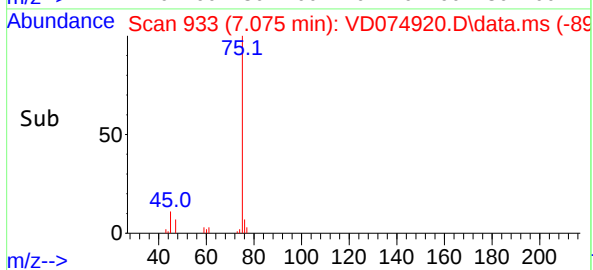
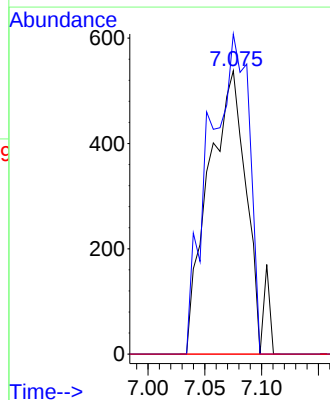
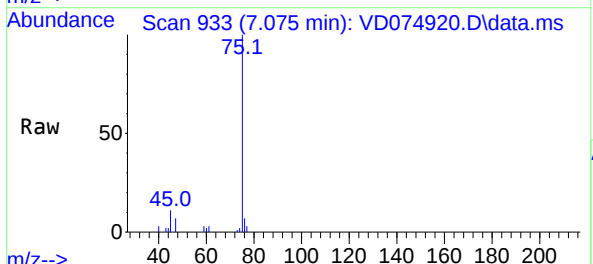
Instrument :
MSVOA_D
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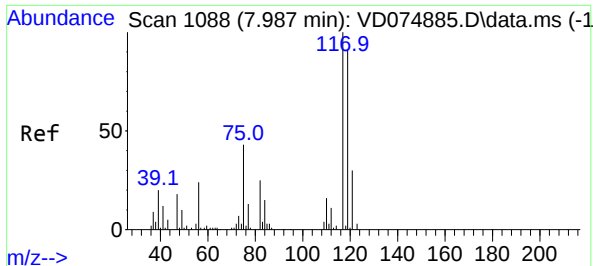
Tgt Ion: 75 Resp: 8038
Ion Ratio Lower Upper
75 100
110 6.1 19.7 59.0#
77 0.0 25.4 38.2#



#37
Ethyl Acetate
Concen: 1.962 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.089 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
61 114.9 12.2 18.4#
70 0.0 9.6 14.4#

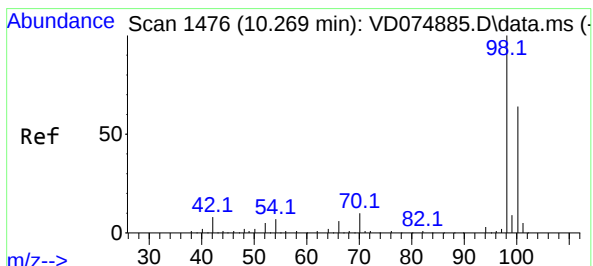
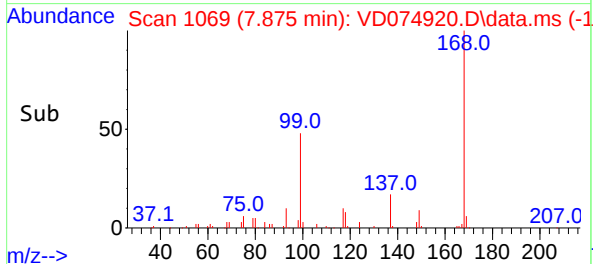
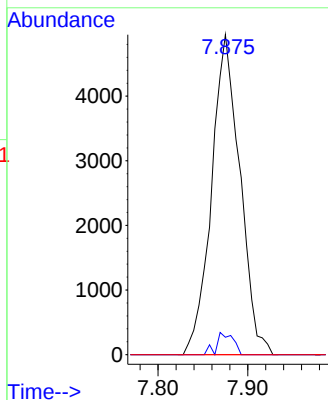
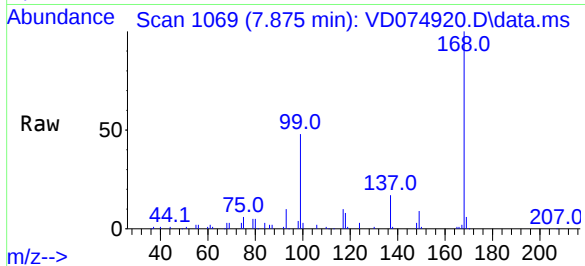




#38
Carbon Tetrachloride
Concen: 5.955 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

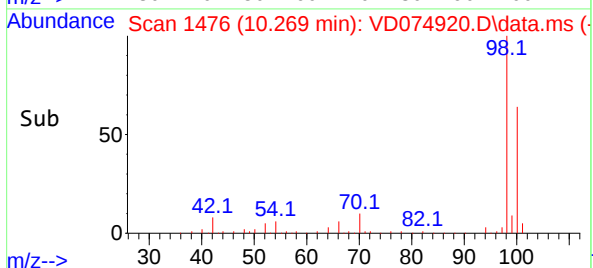
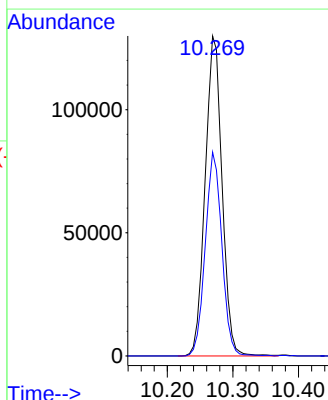
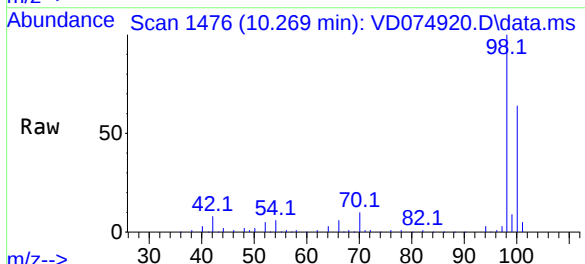
Instrument :
MSVOA_D
ClientSampleId :
SB-08RE

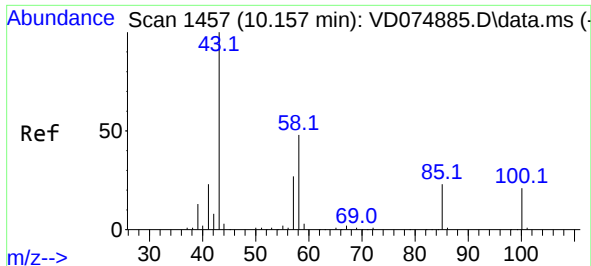
Tgt Ion:117 Resp: 10900
Ion Ratio Lower Upper
117 100
119 5.5 73.1 109.7#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 53.523 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

Tgt Ion: 98 Resp: 233288
Ion Ratio Lower Upper
98 100
100 62.5 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 1.141 ug/l

RT: 10.269 min Scan# 1457

Delta R.T. 0.112 min

Lab File: VD074920.D

Acq: 12 Nov 2022 06:57

Instrument :

MSVOA_D

ClientSampleId :

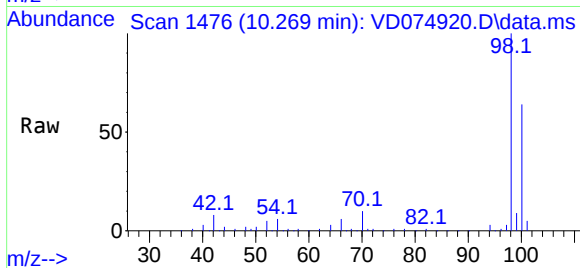
SB-08RE

Tgt Ion: 43 Resp: 625

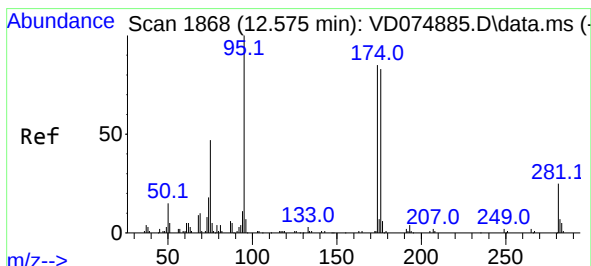
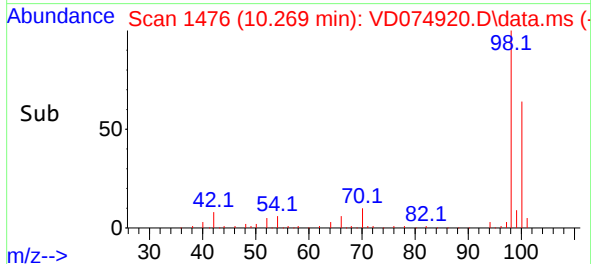
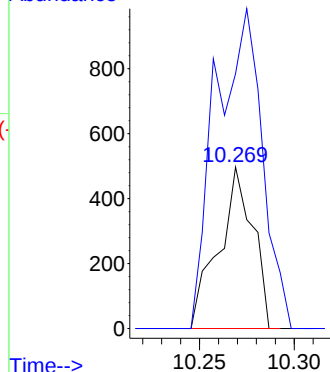
Ion Ratio Lower Upper

43 100

58 268.6 37.8 56.6#



Abundance



#62

4-Bromofluorobenzene

Concen: 48.776 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD074920.D

Acq: 12 Nov 2022 06:57

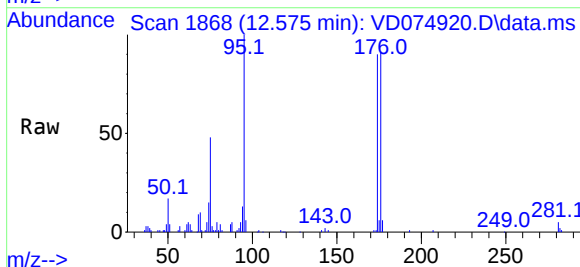
Tgt Ion: 95 Resp: 65281

Ion Ratio Lower Upper

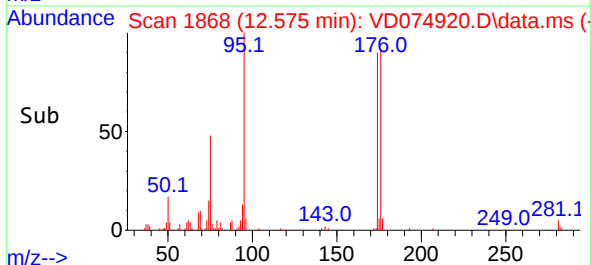
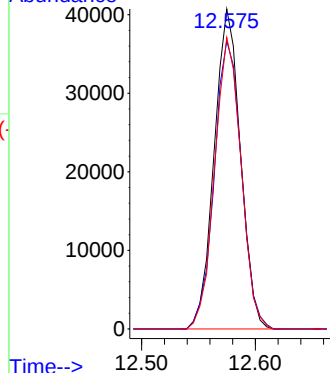
95 100

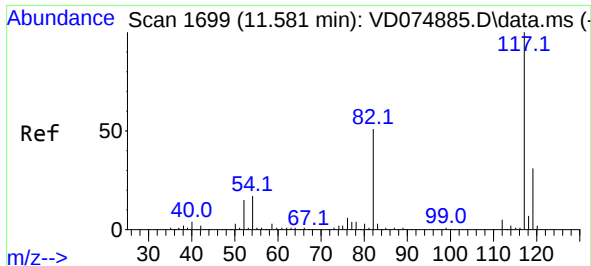
174 93.0 0.0 197.0

176 91.7 0.0 182.6



Abundance

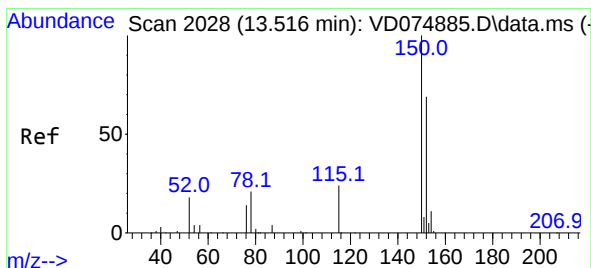
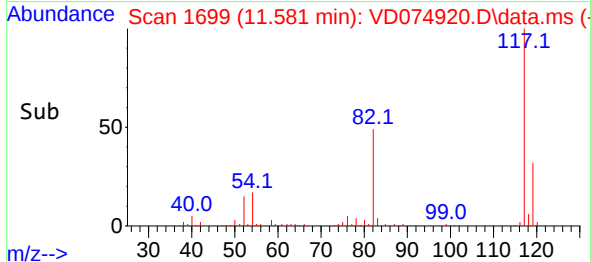
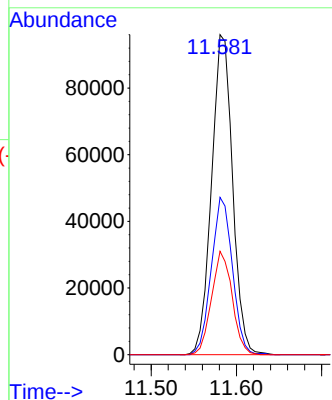
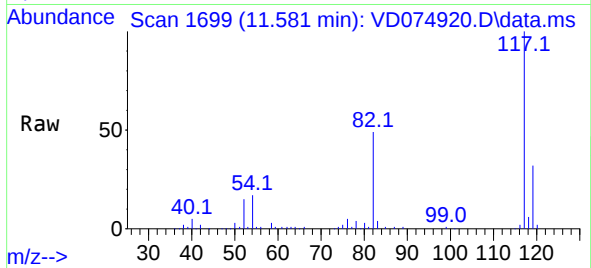




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

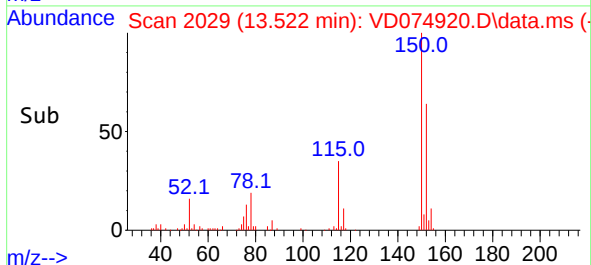
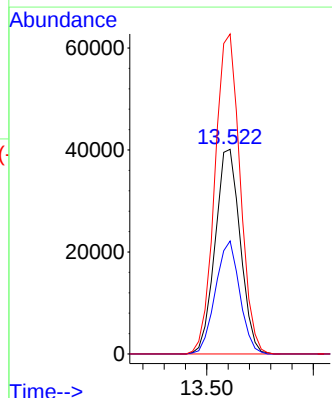
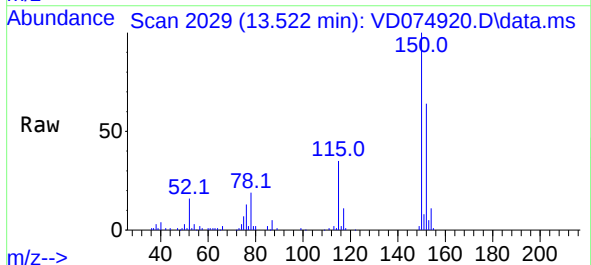
Instrument :
MSVOA_D
ClientSampleId :
SB-08RE

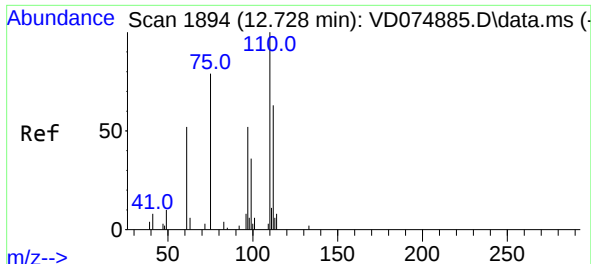
Tgt Ion:117 Resp: 164597
Ion Ratio Lower Upper
117 100
82 49.2 41.6 62.4
119 32.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

Tgt Ion:152 Resp: 65612
Ion Ratio Lower Upper
152 100
115 53.4 26.8 80.4
150 157.0 0.0 348.2

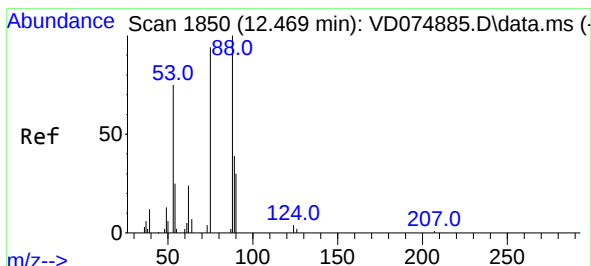
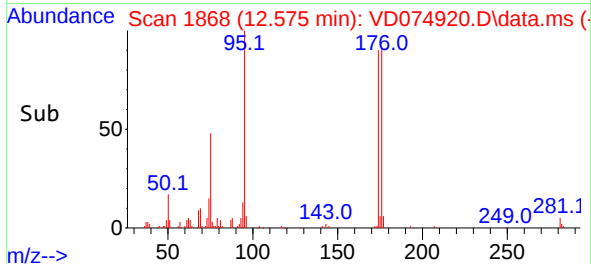
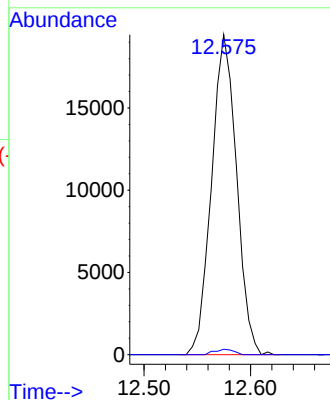
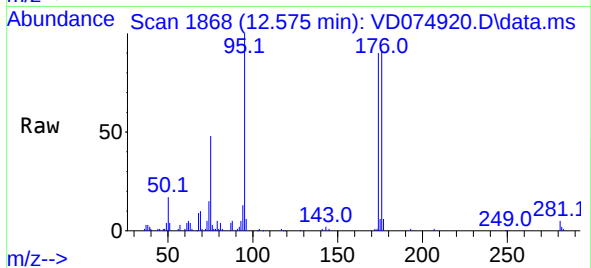




#76
1,2,3-Trichloropropane
Concen: 57.717 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

Instrument :
MSVOA_D
ClientSampleId :
SB-08RE

Tgt Ion: 75 Resp: 31674
Ion Ratio Lower Upper
75 100
77 1.3 185.8 557.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 141.986 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD074920.D
Acq: 12 Nov 2022 06:57

Tgt Ion: 75 Resp: 31674
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

